

CLAIMS

1. A device for fixing a pallet on an escapement anchor comprising at least one seat provided to receive the said pallet, characterized in that the part of the anchor comprising the said seat is realised in a shape memory alloy adapted to undergo a reversible transformation from an austenitic crystallographic phase into a 5 martensitic crystallographic phase, in that the seat is bounded by jaws configured to be able to re-close in the direction of the seat, in that a first jaw is fixed and one jaw is movable between a first position termed unclamped in which the pallet can be introduced into the seat and be shifted therein, and a second position termed clamped in which the jaws clamp the pallet fixedly and immobilise it in the seat and in that a 10 first jaw has two flat clamping surfaces in alignment and in that a second jaw has a clamping surface disposed essentially facing the said two clamping surfaces of the first jaw.
2. A fixing device according to claim 1, characterized in that the part of the anchor comprising the said seat does not clamp the pallet substantially when the said 15 part of the anchor is in the martensitic crystallographic phase, such that the pallet can be shifted in the said seat and in that the part of the anchor comprising the said seat clamps the pallet fixedly when the said part of the anchor is the austenitic crystallographic phase while the part of the anchor is at ambient temperature.
3. A fixing device according to claim 1, characterized in that the part of the 20 anchor comprising the said seat does not clamp the pallet substantially when the said part of the anchor is in the austenitic crystallographic phase, such that the pallet can be shifted in the said seat and in that the part of the anchor comprising the said seat clamps the pallet fixedly when the said part of the anchor is the martensitic crystallographic phase while the part of the anchor is at ambient temperature.
4. A fixing device according to any of the preceding claims, characterized in 25 that the said shape memory alloy is an alloy or nickel and titanium.
5. A fixing device according to any of the preceding claims, characterized in that it further comprises a spot of adhesive extending on to the pallet and the anchor in order to stabilise the fixation of the pallet on the anchor.